

**An Expert Talk under IIIC on
"AUTOMOBILE TRANSMISSION SYSTEMS"**

25th July, 2014

(Under TEQIP-II)

An expert talk was organized on "Automobile Transmission Systems" by **Mr. D.B. Sri Prakash**, Team lead at Defiance Technologies under Industry Institute Interaction Cell (IIIC) activity sponsored by Technical Education Quality Improvement Programme (TEQIP-II) on the afternoon of 25.07.2014 by the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College, Tirupati.



During the Session-I on **Automobile Transmission Systems**, the speaker Mr. D.B. Sri Prakash, elucidated the Diesel Engine System design and Architecture,

benchmarking and arriving at the Performance metrics of the Engine systems. He explained the importance of Gear train design, concept development and layout creation of Transmission systems and exposure to Driveline components and systems, and Transmission matching for better performance, fuel efficiency and emissions.



During the Session-II on **Automobile Transmission Systems**, the speaker Mr. D.B. Sri Prakash discussed various types of Transmissions like Manual, Automatic, AMT, CVT, and DCT and Valve train, Timing system, FEAD, & Air system. Later on, Mr. D.B. Sri Prakash illustrated the Optimization of Transmission parameters for better vehicle performance like Maximum speed, fuel consumption, and emissions. He had given a clear picture on the design and development of Automobile Transmission Systems.



Mr. D.B. Sri Prakash, addressing the students

The students of Mechanical Engineering got enriched by the interaction with Mr. D.B. Sri Prakash, his knowledge and experience helped them in appreciating the significance of various subjects they are studying for design and development of Automobile Transmission Systems.